

at least two brackets coupled respectively to the at least two frame rails;  
a beam attached to the at least two brackets;  
a plate member attached to the beam; and  
at least two frame rail extensions coupled to the at least two brackets,  
wherein each bracket of the at least two brackets is disposed between a first end  
of a corresponding frame rail of the at least two frame rails and either one of a first end  
and a second end of the beam.

2. (Amended) The impact reduction vehicle bumper system according to claim  
1, wherein the plate member is composed of steel and is welded to the beam.

3. (Amended) The impact reduction vehicle bumper system according to claim  
1, wherein the beam and brackets are composed of steel and the beam is welded to the  
brackets.

4. (Amended) The impact reduction vehicle bumper system according to claim  
1, wherein the frame rail extensions are composed of a steel and are welded to the  
brackets.

9. (Amended) The impact reduction vehicle bumper system according to claim  
1, wherein the at least two frame rail extensions include an upper extension, a lower  
extension and an inner extension.

11. (Amended) The impact reduction vehicle bumper system according to claim  
1, wherein the plate member absorbs kinetic energy during a collision without causing a  
peak force greater than 7.5 kN.